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RAW SEQUENCE LISTING

DATE: 04/16/2002

PATENT APPLICATION: US/10/050,552A

TIME: 12:02:17

Input Set : A:\10050552.ST25.txt

Output Set: N:\CRF3\04162002\J050552A.raw

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3 <110> APPLICANT: Nagem, Ronaldo A.P.
 4 Colau, Didier
 5 Renauld, Jean-Christophe
 6 Dumoutier, Laure
 7 Polikarpov, Igor
 9 <120> TITLE OF INVENTION: Crystal Structure of Interleukin-22
 11 <130> FILE REFERENCE: LUD-5722 US
 13 <140> CURRENT APPLICATION NUMBER: 10/050,552A
 C--> 14 <141> CURRENT FILING DATE: 2002-04-04
 16 <150> PRIOR APPLICATION NUMBER: 60/317,937
 17 <151> PRIOR FILING DATE: 2001-09-10
 19 <150> PRIOR APPLICATION NUMBER: 60/333,150
 20 <151> PRIOR FILING DATE: 2001-11-27
 22 <160> NUMBER OF SEQ ID NOS: 5
 24 <170> SOFTWARE: PatentIn version 3.1
 26 <210> SEQ ID NO: 1
 27 <211> LENGTH: 178
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 29 <213> ORGANISM: homo sapiens
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 34 1 5 10 15
 37 Arg Ala Ser Pro Gly Gln Gly Thr Gln Ser Glu Asn Ser Cys Thr His
 38 20 25 30
 41 Phe Pro Gly Asn Leu Pro Asn Met Leu Arg Asp Leu Arg Asp Ala Phe
 42 35 40 45
 45 Ser Arg Val Lys Thr Phe Phe Gln Met Lys Asp Gln Leu Asp Asn Leu
 46 50 55 60
 49 Leu Leu Lys Glu Ser Leu Leu Glu Asp Phe Lys Gly Val Leu Gly Cys
 50 65 70 75 80
 53 Gln Ala Leu Ser Glu Met Ile Gln Phe Tyr Leu Glu Glu Val Met Pro
 54 85 90 95
 57 Gln Ala Glu Asn Gln Asp Pro Asp Ile Lys Ala His Val Asn Ser Leu
 58 100 105 110
 61 Gly Glu Asn Leu Lys Thr Leu Arg Leu Arg Leu Arg Arg Cys His Arg
 62 115 120 125
 65 Phe Leu Pro Cys Glu Asn Lys Ser Lys Ala Val Glu Gln Val Lys Asn
 66 130 135 140
 69 Ala Phe Asn Lys Leu Gln Glu Lys Gly Ile Tyr Lys Ala Met Ser Glu
 70 145 150 155 160
 73 Glu Asp Ile Phe Ile Asn Tyr Ile Glu Ala Tyr Met Thr Met Lys Ile
 74 165 170 175
 77 Arg Asn

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83 <212> TYPE: PRT
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93 20 25 30
96 Ala Ala Pro Ile Ser Ser His Cys Arg Leu Asp Lys Ser Asn Phe Gln
97 35 40 45
100 Gln Pro Tyr Ile Thr Asn Arg Thr Phe Met Leu Ala Lys Glu Ala Ser
101 50 55 60
104 Leu Ala Asp Asn Asn Thr Asp Val Arg Leu Ile Gly Glu Lys Leu Phe
105 65 70 75 80
108 His Gly Val Ser Met Ser Glu Arg Cys Tyr Leu Met Lys Gln Val Leu
109 85 90 95
112 Asn Phe Thr Leu Glu Glu Val Leu Phe Pro Gln Ser Asp Arg Phe Gln
113 100 105 110
116 Pro Tyr Met Gln Glu Val Val Pro Phe Ile Ala Arg Ile Ser Asn Arg
117 115 120 125
120 Leu Ser Thr Cys His Ile Glu Gly Asp Asp Leu His Ile Gln Arg Asn
121 130 135 140
124 Val Gln Lys Leu Lys Asp Thr Val Lys Lys Ile Gly Glu Ser Gly Glu
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128 Ile Lys Ala Ile Gly Glu Leu Asp Leu Leu Phe Met Ser Leu Arg Asn
129 165 170 175
132 Ala Cys Ile
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139 <213> ORGANISM: mus musculus
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147 Ala Ala Ser Cys Leu Leu Leu Ile Ala Leu Trp Ala Gln Glu Ala Asn
148 20 25 30
151 Ala Leu Pro Val Asn Thr Arg Cys Lys Leu Glu Val Ser Asn Phe Gln
152 35 40 45
155 Gln Pro Tyr Ile Val Asn Arg Thr Phe Met Ile Ala Lys Glu Ala Ser
156 50 55 60
159 Leu Ala Asp Asn Asn Thr Asp Val Arg Leu Ile Gly Glu Lys Leu Phe
160 65 70 75 80
163 Arg Gly Val Ser Ala Lys Asp Gln Cys Tyr Leu Met Lys Gln Val Leu
164 85 90 95
167 Asn Phe Thr Leu Glu Asp Val Leu Leu Pro Gln Ser Asp Arg Phe Gln
168 100 105 110
171 Pro Tyr Met Gln Glu Val Val Pro Phe Leu Thr Lys Leu Ser Asn Gln
172 115 120 125

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175 Leu Ser Ser Cys His Ile Ser Gly Asp Asp Gln Asn Ile Gln Lys Asn
176      130                      135                      140
179 Val Arg Arg Leu Lys Glu Thr Val Lys Lys Leu Gly Glu Ser Gly Glu
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183 Ile Lys Ala Ile Gly Glu Leu Asp Leu Leu Phe Met Ser Leu Arg Asn
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194 <213> ORGANISM: artificial sequence
196 <220> FEATURE:
197 <223> OTHER INFORMATION: A conserved sequence between Region 2 in IL-22 and IL-10
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206 <211> LENGTH: 4
207 <212> TYPE: PRT
208 <213> ORGANISM: artificial sequence
210 <220> FEATURE:
211 <223> OTHER INFORMATION: A conserved sequence between Region 2 of IL-22 and IL-10
213 <400> SEQUENCE: 5
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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/050,552A

DATE: 04/16/2002

TIME: 12:02:18

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L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date